

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/032771

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D265/30 C07D413/06 A61K31/5375 A61K31/5377 A61P25/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	FR 2 852 954 A (AVENTIS PHARMA SA) 1 October 2004 (2004-10-01) page 18, line 1 - line 6 page 40, line 32 - line 33; example 8 & WO 2004/087647 A (AVENTIS PHARMA S.A; BIGOT, ANTONY; CHEVE, MICHEL; EL AHMAD, YOUSSEF; M) 14 October 2004 (2004-10-14) ----- -/-	31, 32

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

28/02/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KATO, SHIRO ET AL: "1-(1-Substituted-4-piperidinylmethyl)pipe ridine derivatives as 5-TH4 receptor agonists, pharmaceutical compositions containing them, and their use" XP002317575 retrieved from STN Database accession no. 2004:819908 abstract & JP 2004 277318 A2 (DAINIPPON PHARMACEUTICAL CO., LTD., JAPAN) 7 October 2004 (2004-10-07)	31, 32
X	WO 03/018576 A (ASTRAZENECA AB; GUSTAFSSON, JOERGEN; HOSSAIN, NAFIZAL; NILSSON, STINAB) 6 March 2003 (2003-03-06) page 20; example 1i	31, 32
X	WO 01/00214 A (MERCK & CO., INC; HUNT, JULIANNE, A; MILLS, SANDER, G; SINCLAIR, PETER) 4 January 2001 (2001-01-04) step c page 96; example 12	31, 32
X	KING, FRANK D. ET AL: "The synthesis of 2-morpholinecarboxylic acid derivatives and their elaboration to 1-aza-4-oxabicyclo[3.3.1]nonan-6-one" TETRAHEDRON LETTERS , 32(20), 2281-4 CODEN: TELEAY; ISSN: 0040-4039, 1991, XP002317574 page 2282; example 8 page 2283; example 14	31, 32
P, X	WO 2004/018441 A (ELI LILLY AND COMPANY; CASES-THOMAS, MANUEL, JAVIER; HAUGHTON, HELEN,) 4 March 2004 (2004-03-04) cited in the application abstract examples claims	1-34
A	WO 01/01973 A (PHARMACIA & UPJOHN COMPANY; WONG, ERIK, H., F; AHMED, SAEEDUDDIN; MARS) 11 January 2001 (2001-01-11) cited in the application the whole document	1-34
A	WO 99/37305 A (GLAXO GROUP LIMITED; MORGAN, PHILLIP, FREDERICK; MUSSO, DAVID, LEE; PA) 29 July 1999 (1999-07-29) the whole document	1-34

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 27,28 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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